

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (canceled)

2. (currently amended): A control apparatus of an automatic machine comprising:

a breaker connected to a power supply,

a driving apparatus for supplying electric power of the power supply to a driving unit of the automatic machine via a relay apparatus connected to the breaker, for controlling the driving apparatus,

a current control rectifying element connected to the relay apparatus, and

~~a current controlling device for controlling a rectifying current of the current controlling rectifying element, wherein~~

~~the current controlling device causes a rectifying current of the current control rectifying element to be a reducing condition and a non-feeding condition by an instructions for turning off supplying of the electric power to the driving unit, and~~

~~a contact of the relay apparatus is opened at a predetermined time after the instruction.~~

a current controlling device for controlling a rectifying current of the current control rectifying element, wherein

after the current controlling device causes a rectifying current of the current control rectifying element to be in a decreasing condition and a non-feeding condition by the driving power supply turn-OFF instruction, a contact of the relay apparatus is opened at a predetermined time after the instruction.

3. (previously presented): The control apparatus of claim 2, wherein the control apparatus is a robot control apparatus.

4. (previously presented): The control apparatus of claim 2, wherein the relay apparatus is an electromagnetic connector.